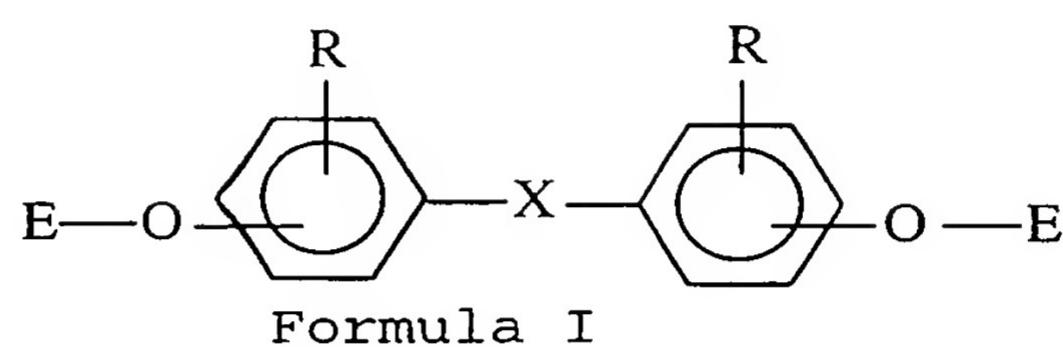


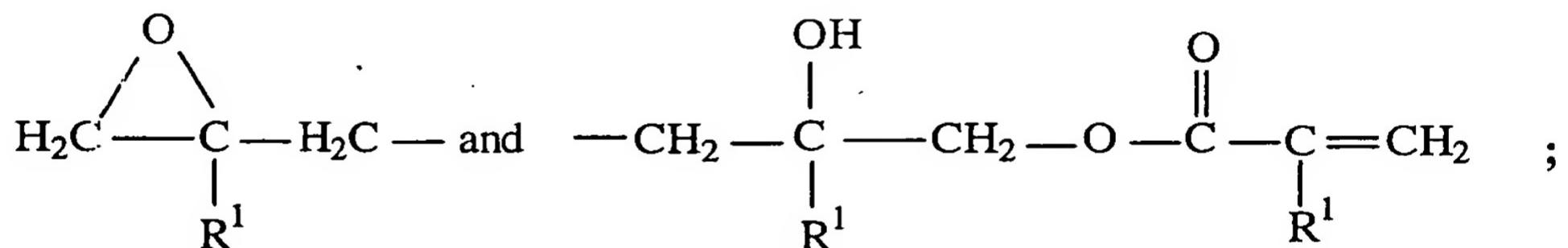
What is Claimed Is:

1. A resin having the structural Formula I



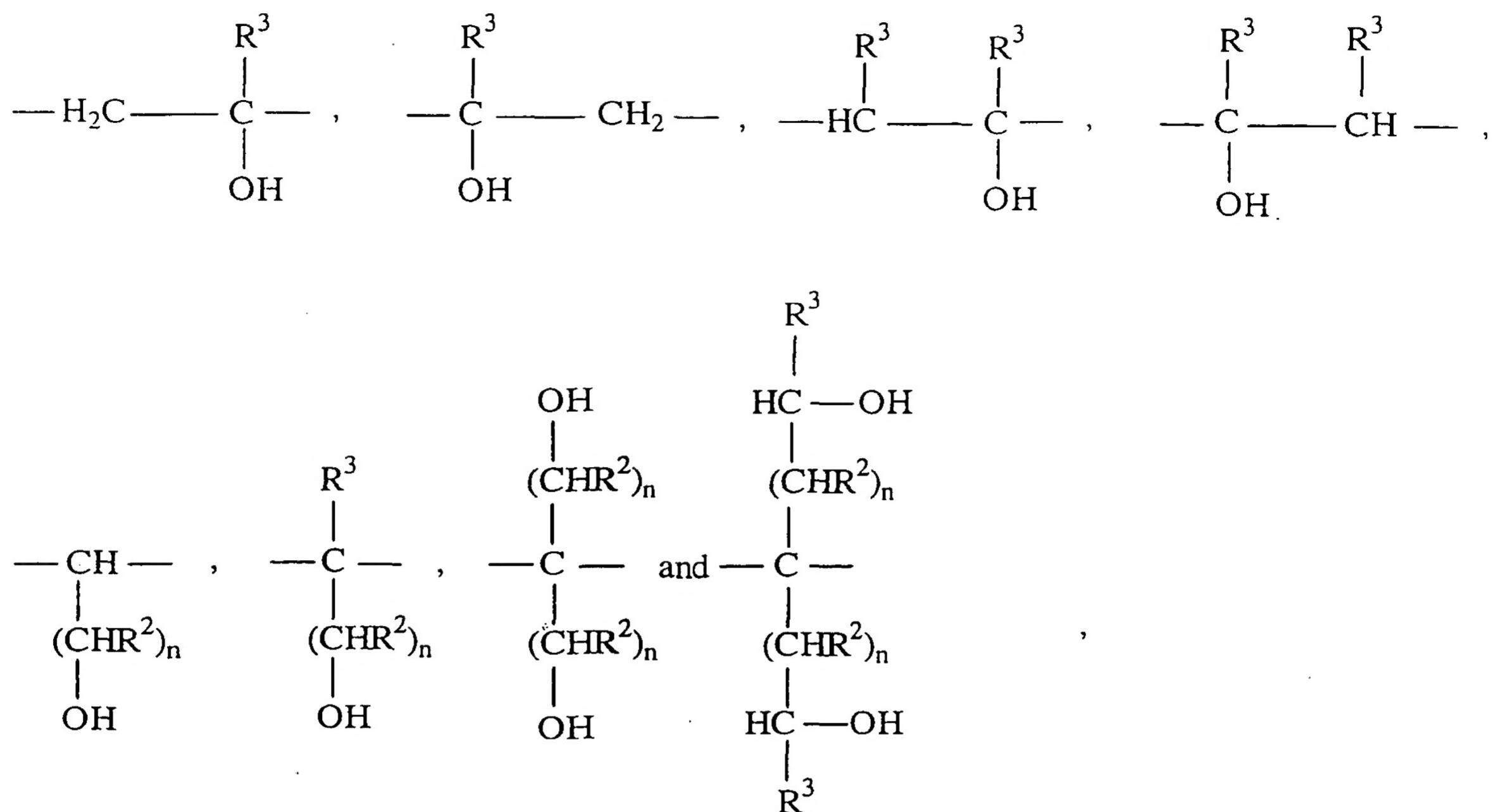
Formula I

5 wherein each R is independently selected from the group consisting of hydrogen, a hydrocarbyl or hydrocarbyloxy group having from one to about 10 carbon atoms, a halogen atom, a nitro group, a nitrile group and a -CO-R<sup>2</sup> group; each E is independently selected from the group consisting of



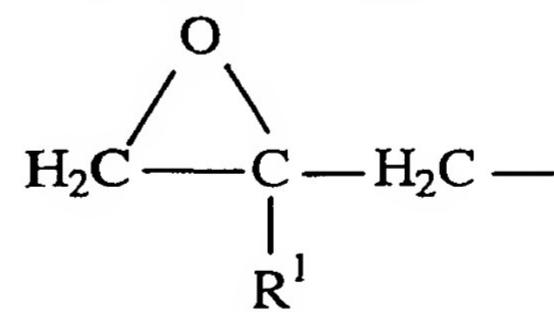
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each R<sup>1</sup> is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms; X is independently selected from the group consisting of

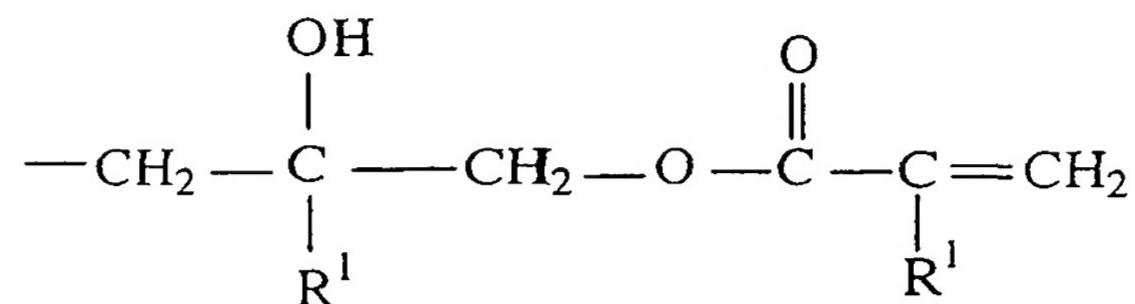


each  $\text{R}^2$  is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms;  $\text{R}^3$  is a hydrocarbyl group having from one to about 10 carbon atoms; and  $n$  has a value of from one to about 5 10.

2. A resin of Claim 1 wherein E is



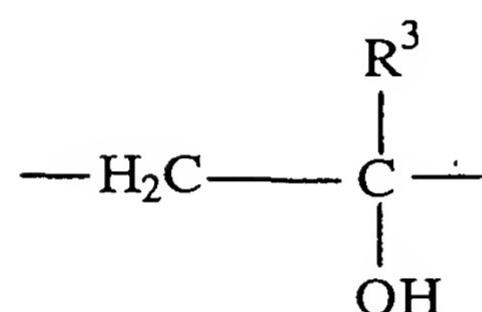
3. A resin of Claim 1 wherein E is



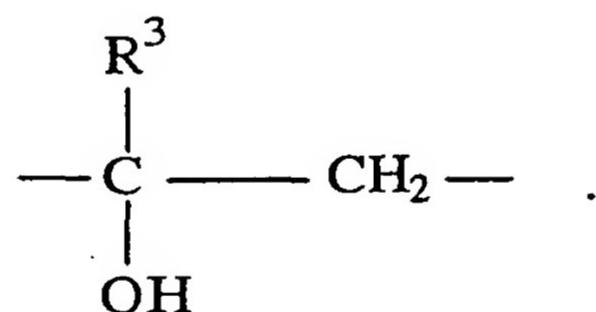
4. A resin of Claim 1 wherein each R is hydrogen.

5. A resin of Claim 1 wherein R<sup>1</sup> is hydrogen.

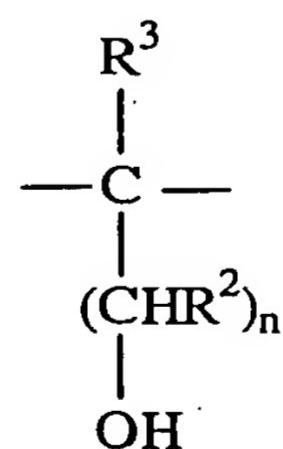
5 6. A resin of Claim 1 wherein X is



7. A resin of Claim 1 wherein X is



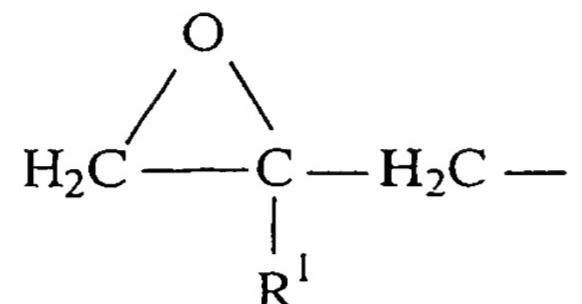
8. A resin of Claim 1 wherein X is



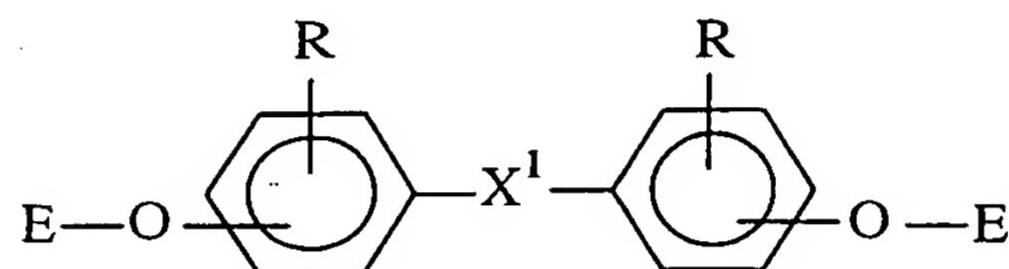
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9. A resin prepared by advancing a resin of Formula I wherein E is

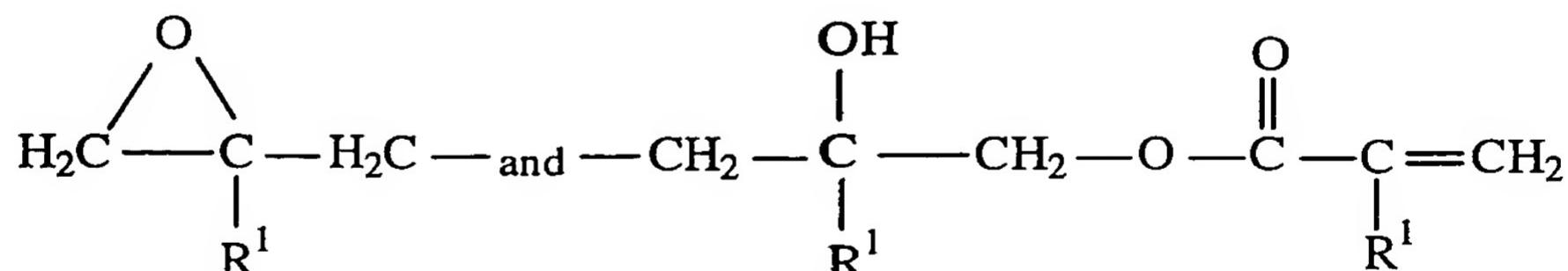


10. A resin having the structural Formula II



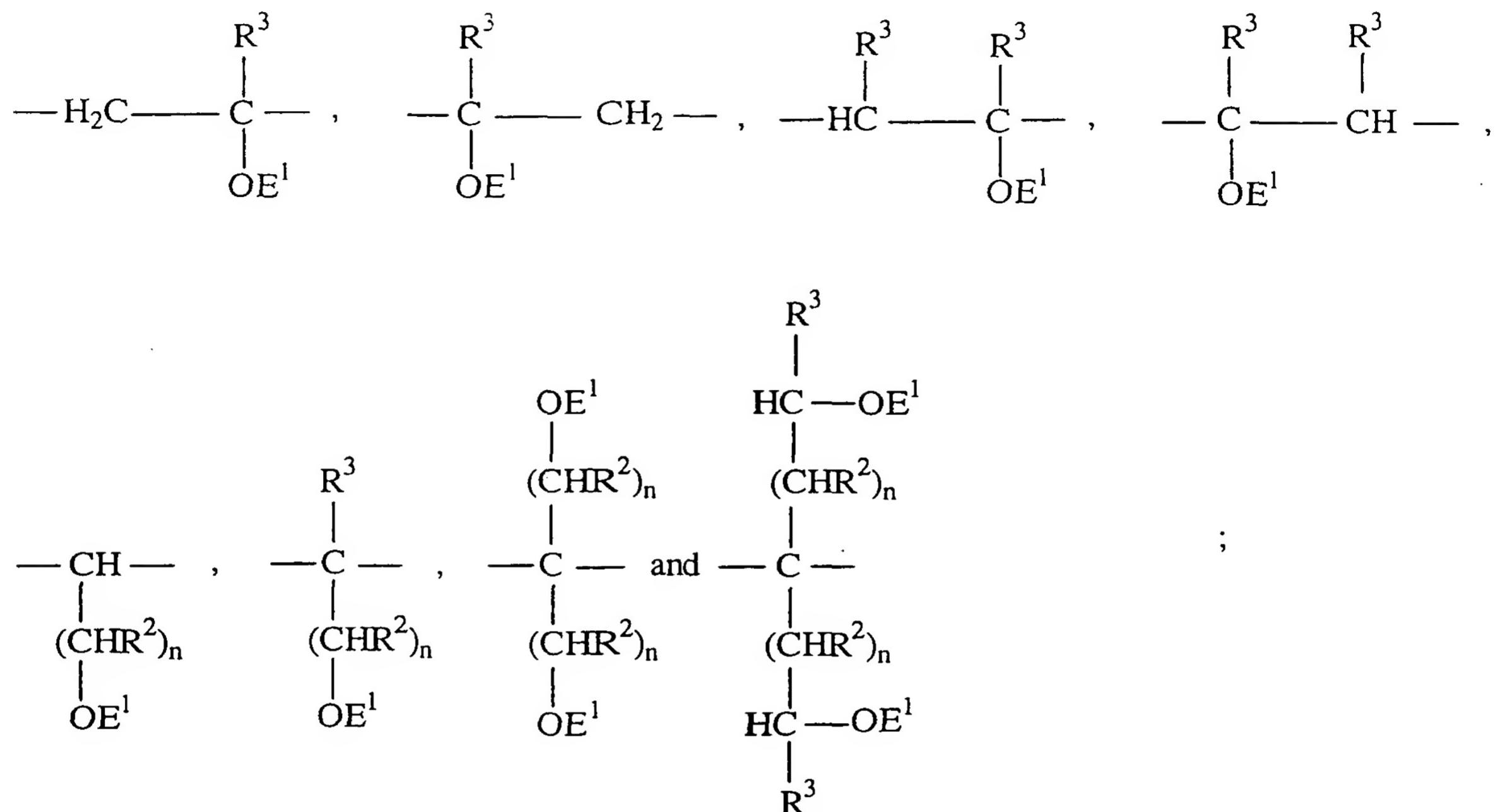
Formula II

wherein each  $\text{R}$  is independently selected from the group consisting of hydrogen, a hydrocarbyl or hydrocarbyloxy group having from one to about 10 carbon atoms, a halogen atom, a 10 nitro group, a nitrile group and a  $-\text{CO}-\text{R}^2$  group; each  $\text{E}$  is independently selected from the group consisting of



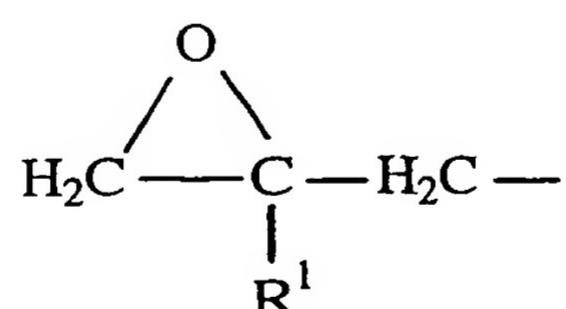
each  $\text{R}^1$  is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 15 10 carbon atoms; each  $\text{R}^2$  is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms;  $\text{R}^3$  is a hydrocarbyl group having from one to about 10 carbon atoms;  $n$  has a value of

from one to about 10; and  $X^1$  is selected from the group consisting of

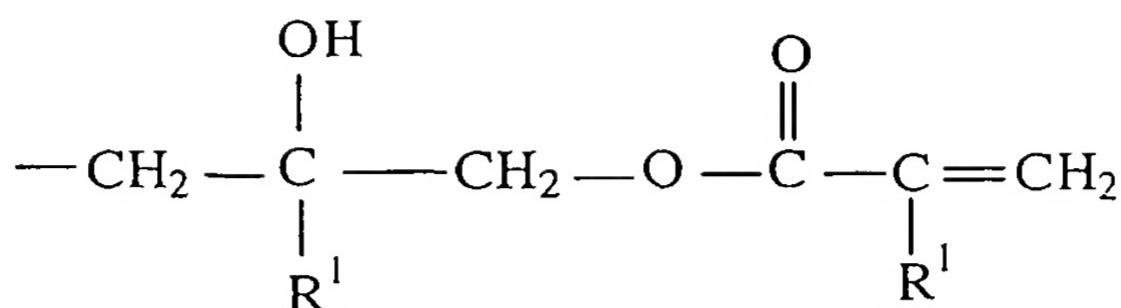


$E^1$  is a moiety containing a polymerizable ethylenically unsaturated group wherein the oxygen atom attached to  $E^1$  is part of an ester or a urethane linkage.

11. A resin of Claim 10 wherein E is



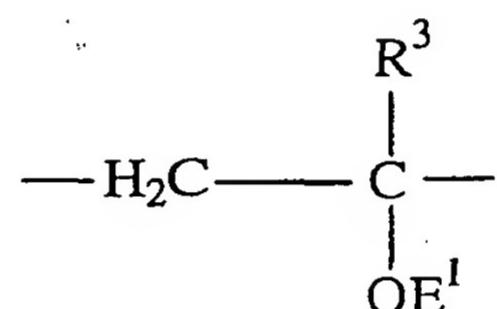
12. A resin of Claim 10 wherein E is



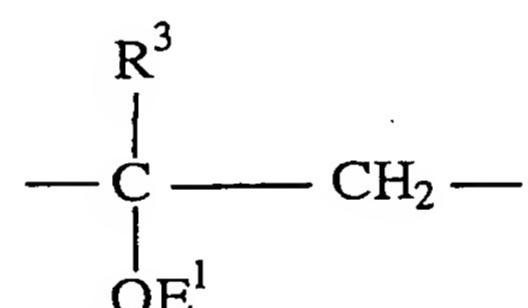
13. A resin of Claim 10 wherein each R is hydrogen.

14. A resin of Claim 10 wherein R<sup>1</sup> is hydrogen.

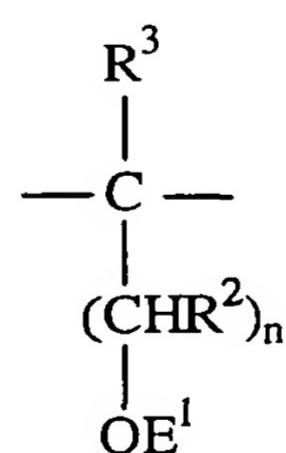
5 15. A resin of Claim 10 wherein X<sup>1</sup> is



16. A resin of Claim 10 wherein X<sup>1</sup> is



17. A resin of Claim 10 wherein X<sup>1</sup> is



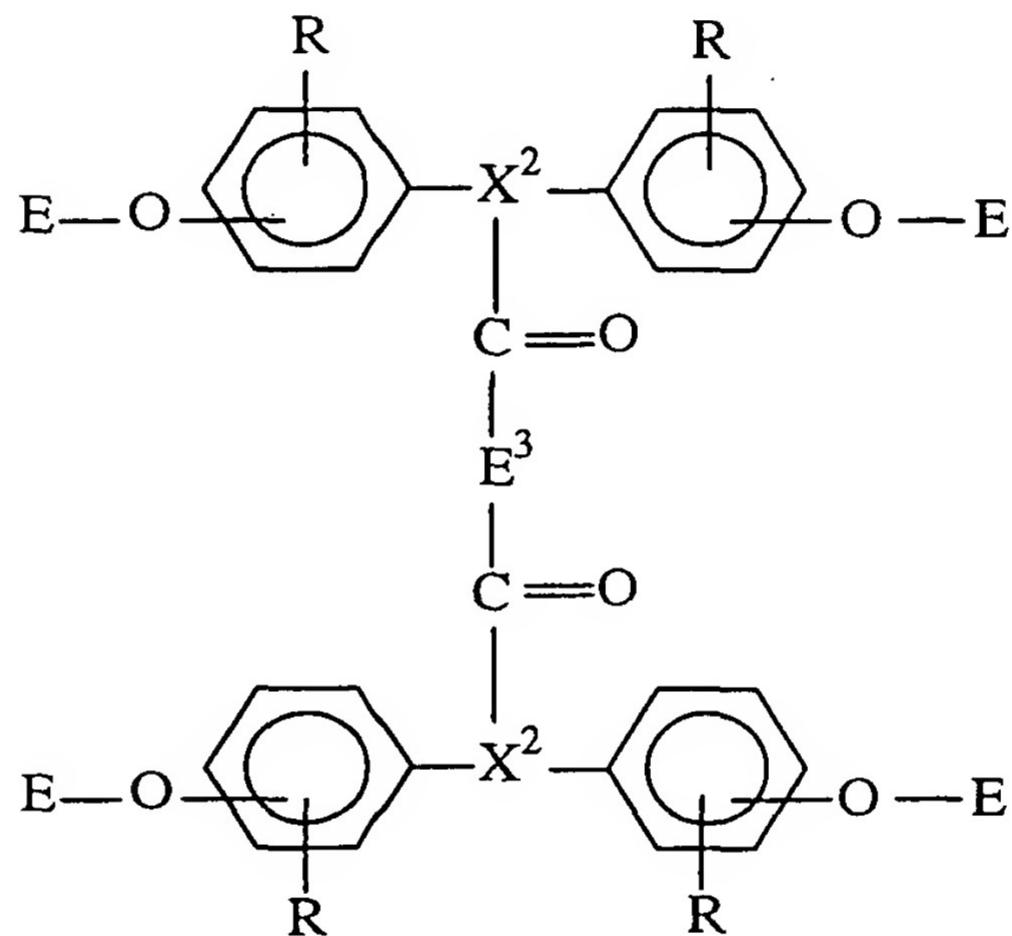
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18. A composition comprising a resin of Formula I and a resin of Formula II.

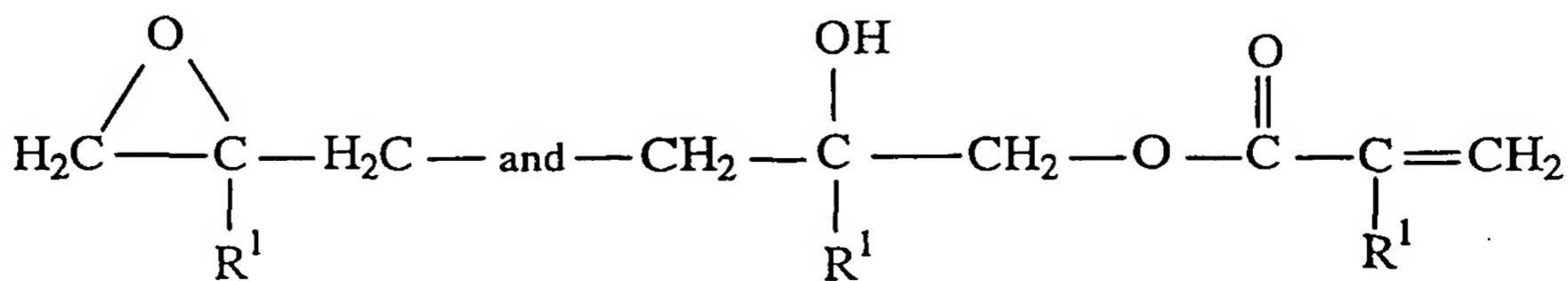
19. A polymer modified epoxy resin prepared by polymerizing an epoxy resin of the composition of Claim 18 with one or more polymerizable ethylenically unsaturated monomers.

5 20. A polymer modified vinyl ester resin prepared from the resin of Claim 19.

21. A resin having the structural Formula III



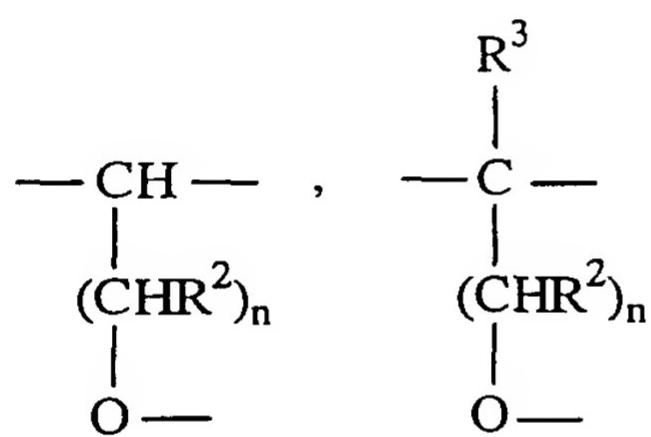
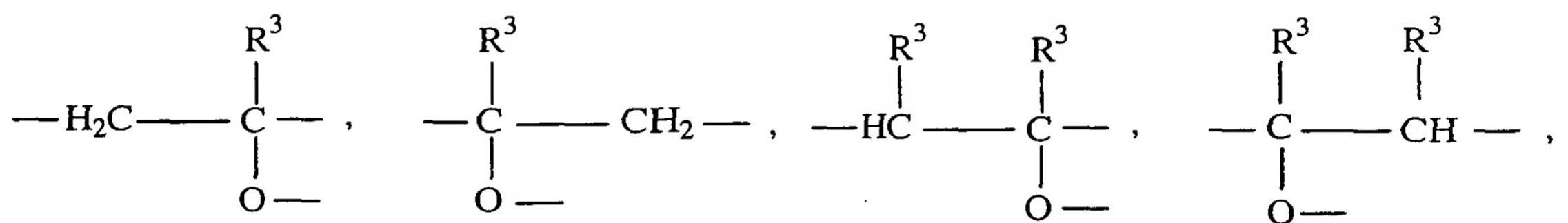
10 wherein each R is independently selected from the group consisting of hydrogen, a hydrocarbyl or hydrocarbyloxy group having from one to about 10 carbon atoms, a halogen atom, a nitro group, a nitrile group and a -CO-R<sup>2</sup> group; each E is independently selected from the group consisting of



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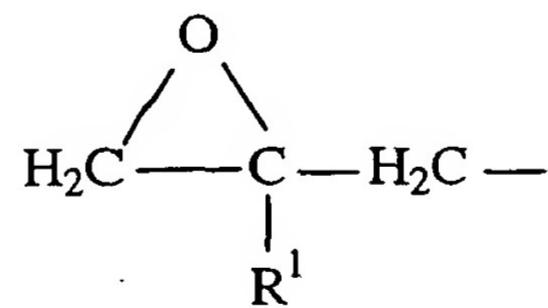
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each R<sup>1</sup> is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms; each R<sup>2</sup> is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms; R<sup>3</sup> is a hydrocarbyl group having from one to about 10 carbon atoms; n has a value of from one to about 10; E<sup>3</sup> is a direct bond or a hydrocarbyl group having from one to about 30 carbon atoms; and X<sup>2</sup> is selected from the group consisting of



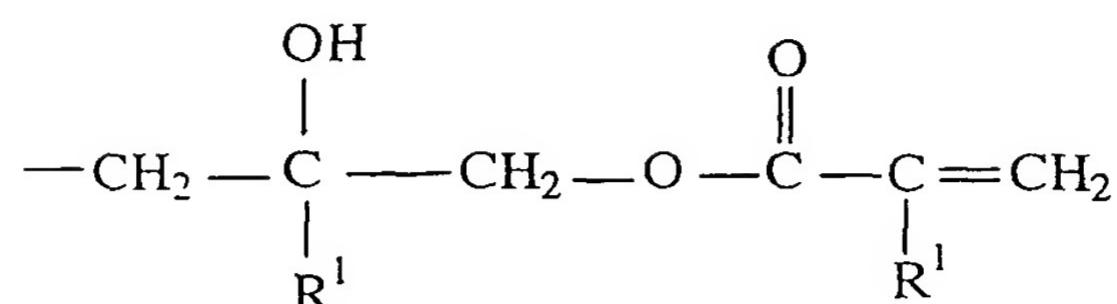
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22. A resin of Claim 21 wherein E is



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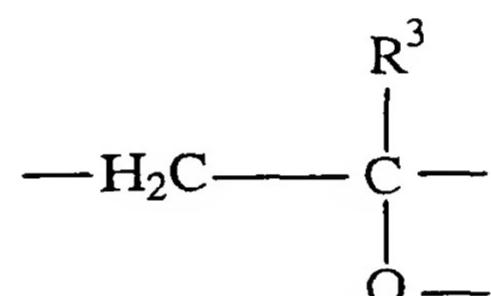
23. A resin of Claim 21 wherein E is



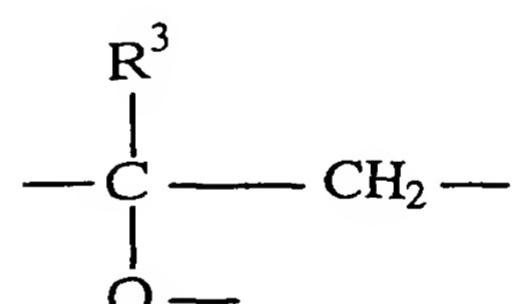
24. A resin of Claim 21 wherein each R is hydrogen.

5 25. A resin of Claim 21 wherein R<sup>1</sup> is hydrogen.

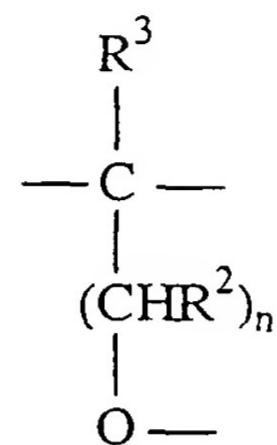
26. A resin of Claim 21 wherein X<sup>2</sup> is



27. A resin of Claim 21 wherein X<sup>2</sup> is

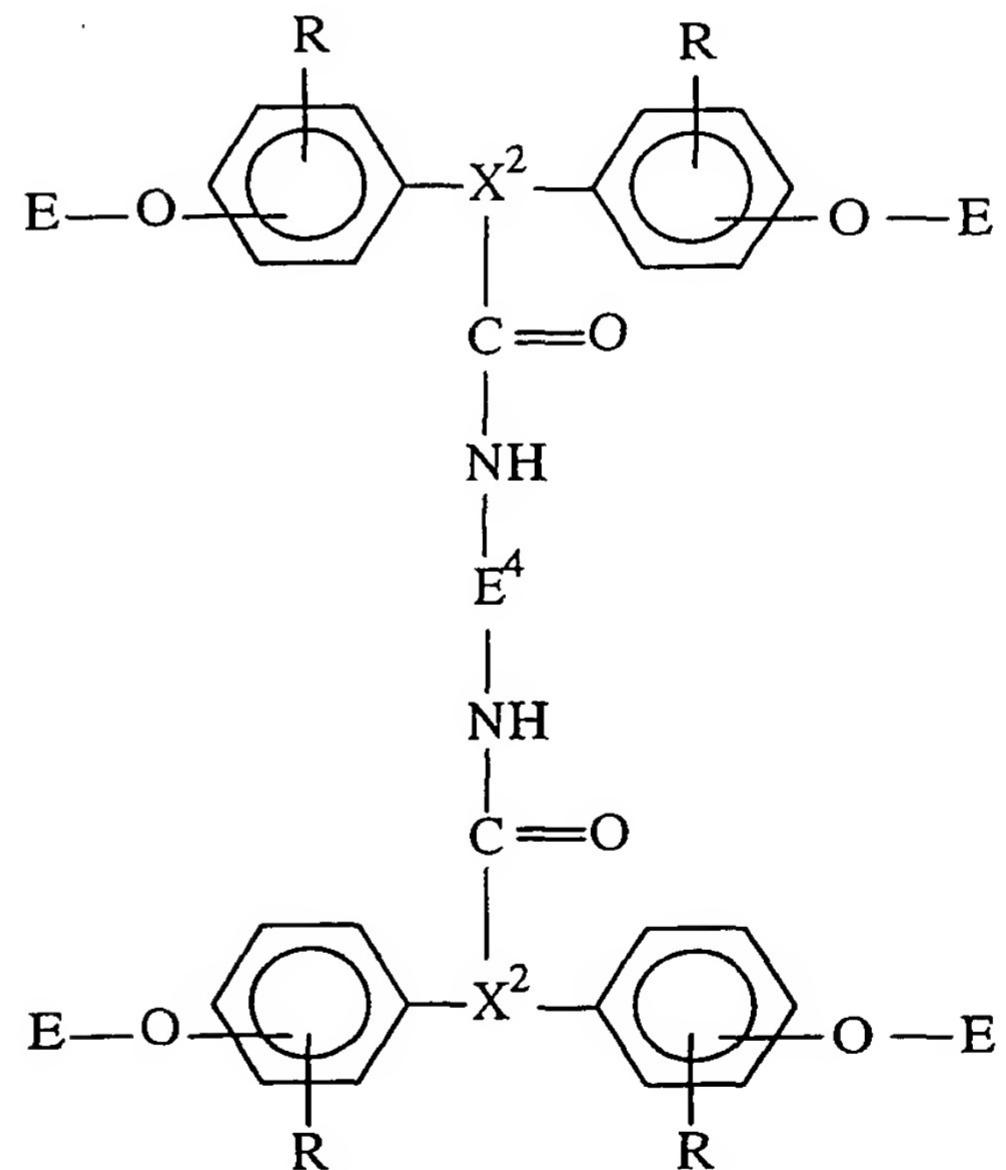


28. A resin of Claim 21 wherein  $X^2$  is



29. A resin of Claim 21 wherein  $E^3$  is  $-(\text{CH}_2)_4-$

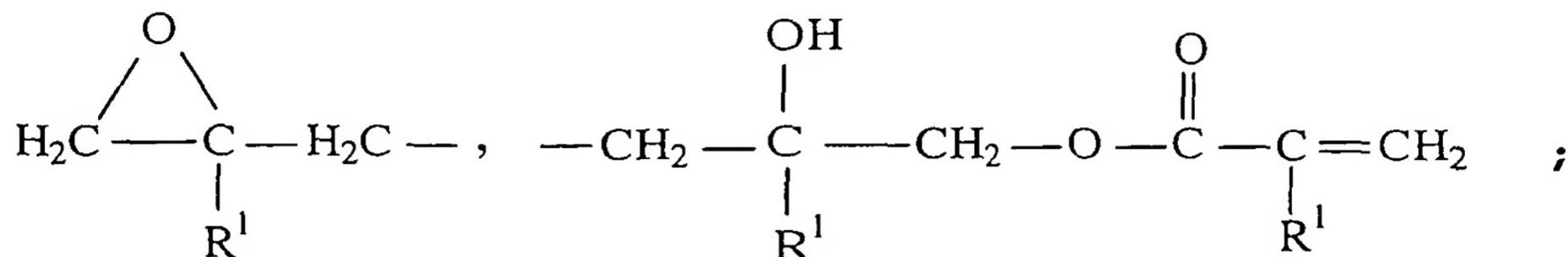
5 30. A resin having the structural Formula IV



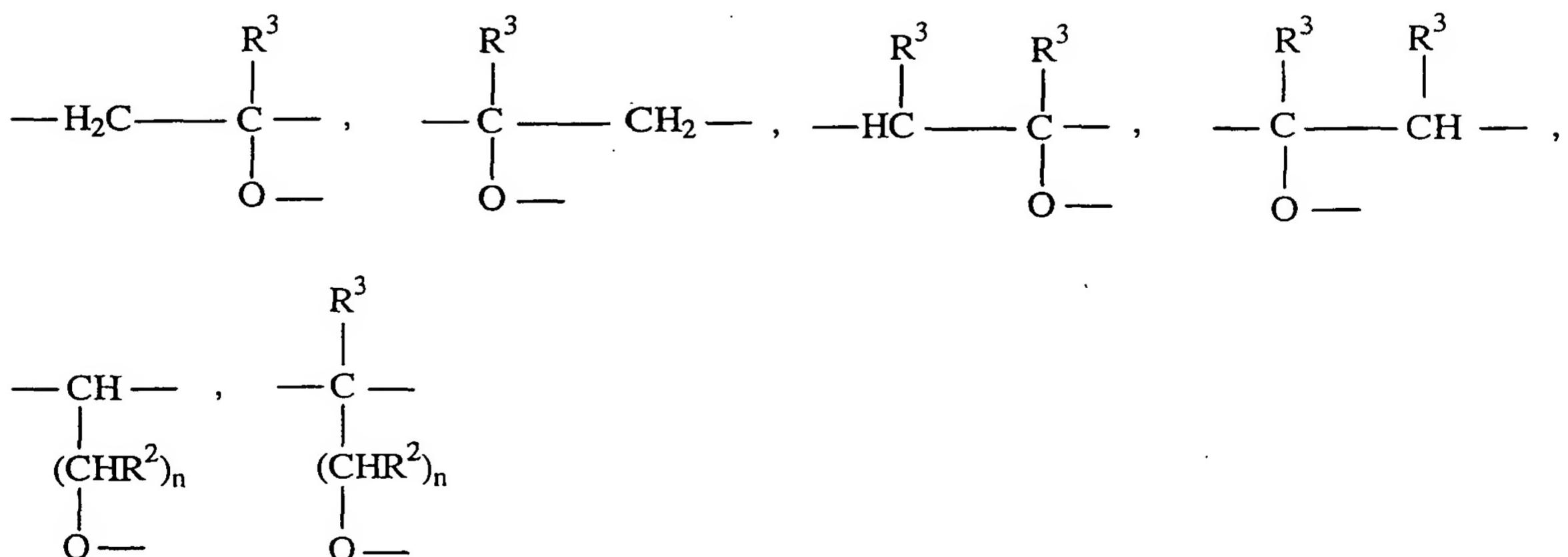
Formula IV

wherein each R is independently selected from the group consisting of hydrogen, a hydrocarbyl or hydrocarbyloxy group

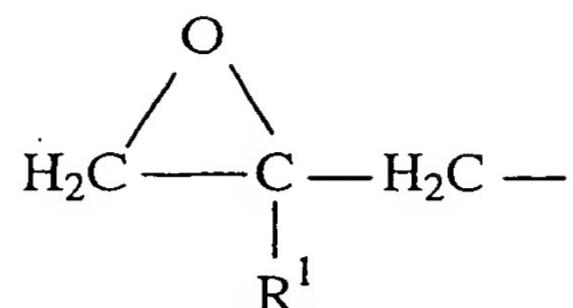
having from one to about 10 carbon atoms, a halogen atom, a nitro group, a nitrile group and a  $-CO-R^2$  group; each E is independently selected from the group consisting of



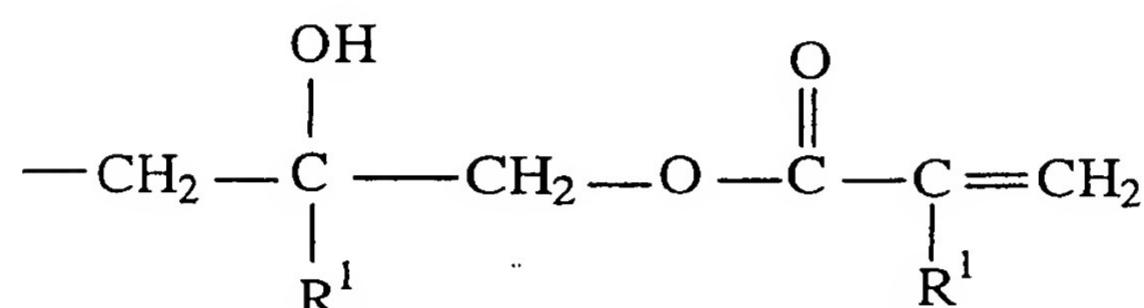
- 5 each  $R^1$  is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms; each  $R^2$  is independently selected from the group consisting of hydrogen and a hydrocarbyl group having from one to about 10 carbon atoms;  $R^3$  is a hydrocarbyl group
- 10 having from one to about 10 carbon atoms; n has a value of from one to about 10;  $E^4$  is a hydrocarbyl group having from about 4 to about 35 carbon atoms;  $X^2$  is selected from the group consisting of



31. A resin of Claim 30 wherein E is



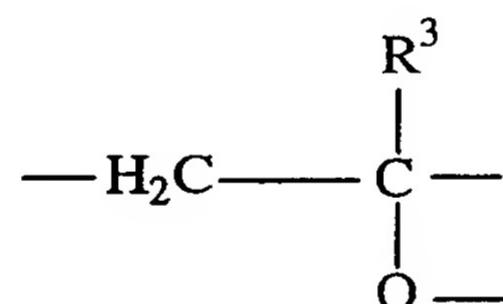
32. A resin of Claim 30 wherein E is



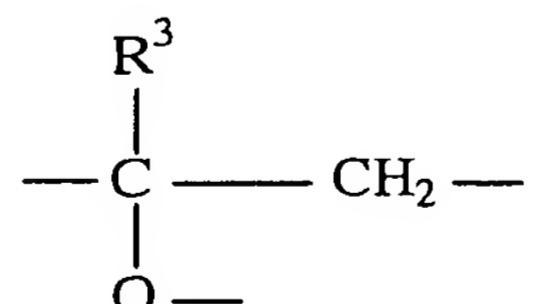
5 33. A resin of Claim 30 wherein each R is hydrogen.

34. A resin of Claim 30 wherein R<sup>1</sup> is hydrogen.

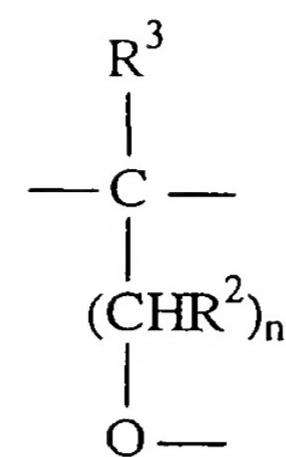
35. A resin of Claim 30 wherein X<sup>2</sup> is



10 36. A resin of Claim 30 wherein X<sup>2</sup> is



37. A resin of Claim 30 wherein X<sup>2</sup> is



38. A resin of Claim 30 wherein E<sup>4</sup> is

-p-C<sub>6</sub>H<sub>4</sub>-CH<sub>2</sub>-p-C<sub>6</sub>H<sub>4</sub>- .

39. A polymer modified epoxy resin prepared by  
5 polymerizing an epoxy resin of Formula II with one or more  
polymerizable ethylenically unsaturated monomers.

40. A polymer modified vinyl ester resin prepared  
from the resin of Claim 39.